



Rebuild Hawaii

Partnering with Rebuild America

Working together for energy and resource efficiency

Consortium Elects New Officers

The Rebuild Hawaii Consortium has two new Officers. At our August meeting, members unanimously elected Steve Holmes as President and Jim Maskrey as Vice President. Both will serve a two-year term. The nominating committee was headed by Ray Carr and Glenn Sato.

President Steve Holmes

Steve Holmes is looking forward to his term as Consortium President. He sees immense value in the Consortium, the most valuable being the opportunity for members to network and problem solve among each other. "Members from Hawaii's federal facilities have a great deal of experience in energy retrofit projects that have translated into an invaluable pool of local success stories that can be shared with local government and private businesses," says Holmes.

His short-term goals are to start up a Rebuild Honolulu office to focus on City projects and to help promote the new job creation aspects of Rebuild America. Five years from now Holmes would like to see Rebuild Hawaii with a broader support base including various Chamber of Commerce groups, BOMA, building industry representatives, and trade unions. Holmes says "This type of broad support base with a common aim really helped the passage of two energy bills before the City Council earlier this year."

continued on page 2



Rebuild Hawaii Officers: President Steve Holmes (middle), Vice President Jim Maskrey (Left), and previous President Maurice Kaya (right)

Kaya Looks Back on Four Successful Years

Maurice Kaya is a man who knows good work when he sees it. And he sees it in our Consortium's accomplishments during its first four years. We've shown through our example how a community level approach can achieve energy and resource efficiency goals. Kaya credits our success to how we utilize our

membership in the U.S. Department of Energy (DOE) Rebuild America Program and State Energy Program (SEP). He specifically points to our use of the program's partnering approach and SEP to implement projects. "The beauty of partnering is that we are able to leverage ourselves by accessing each other's

continued on page 2

Inside this issue: New Leadership /1 * RBH 4 Years /1 * LED Traffic Lights /3 * Meetings /3



State of Hawaii
Department of Business, Economic
Development & Tourism
Energy, Resources, and Technology
Division
P.O. Box 2359
Honolulu, Hawaii 96804-2359

Rebuild Hawaii

Rebuild Hawaii is a statewide consortium dedicated to promoting efficient energy and resource utilization.

Rebuild Hawaii is working with Rebuild America, a U.S. Department of Energy program, to help community partnerships make profitable investments in existing buildings through energy-efficient technologies.

The partnering of public and private business interests enables Rebuild Hawaii to employ innovative solutions to promote economic growth, lower energy costs, create jobs, and protect the environment.

There is opportunity for anyone to join Rebuild Hawaii. It is a voluntary program with no membership fee

For more information contact:

Rebuild Hawaii

c/o Department of Business, Economic
Development & Tourism
Energy, Resources, and Technology
Division

State Office Tower
235 South Beretania Street, Room 506

Mailing Address:

P.O. Box 2359
Honolulu, Hawaii 96804-2359

Telephone: 808-587-3806

Facsimile: 808-587-3820

Or contact: Jennifer Webb at
rebuildhawaii@hotmail.com

Leaders In Energy Efficiency

Rebuild Hawaii Consortium

City & County of Honolulu
County of Hawaii
County of Kauai
County of Maui
Department of Business, Economic
Development and Tourism
Department of Education
The Gas Company/Citizens
Energy Service
Hawaii Army National Guard
Hawaiian Electric Company, Inc.;
Hawaii Electric Light Co., Inc.;
Maui Electric Company, Inc.
Housing and Community Development
Corporation of Hawaii
Judiciary
Kauai Electric/Citizens Energy Services

Hawaii Public Library System
University of Hawaii Community Colleges
University of Hawaii at Hilo
University of Hawaii at Manoa,
School of Architecture
U.S. Department of Energy, Pacific Liaison
U.S. Department of Housing and
Urban Development

Affiliates

Energy Conservation Hawaii
Hawaii Society for Healthcare Engineering
SSFM Engineers International

Rebuild America Business Partner

Academic Capital

Rebuild Hawaii Projects

Rebuild Hawaii currently supports the following projects:

- ◆ University of Hawaii School of Architecture Portable Classroom Cooling Design Guidelines
- ◆ Hawaiian Electric Company Energy Smart Schools project to increase awareness of energy efficiency in schools and communities on the islands of Oahu and Maui
- ◆ Hawaii County Energy Smart Schools project at Kau High School
- ◆ Kauai Lagoons Golf Club Audit
- ◆ Na Makani Energy initiative, a community-sponsored rural project in North Kohala, Hawaii, that is planning for a "soft energy path" in the 21st century based on energy conservation and renewable resources
- ◆ Greening The Campuses, a project to implement resource efficiency at the community colleges
- ◆ Green Office exhibit and awareness program
- ◆ Workshops and technical seminars
- ◆ Multi-disciplinary programs to teach energy and resource management skills at universities and schools



New Officers

Continued from page 2

Vice President Jim Maskrey

Jim Maskrey is excited about the progress the Consortium has made since its inception. On a national level, "we are getting attention for efforts in renewable energy and energy efficiency. It is easy for Hawaii to be overlooked as a leader in energy efficiency because of our mild climate. A national platform such as Rebuild America has provided Hawaii an opportunity to gain recognition of consortium projects." On a project level, "partnerships under the Rebuild Hawaii umbrella have successfully developed many projects that have resulted in energy reduction and quality of life improvements." The Consortium has also supported numerous workshops, making national expertise available locally.

Maskrey attributes the Consortium's success to its access to national resources, such as grants and technical assistance from the national laboratories. This access allows partners to leverage considerable expertise that might otherwise be unavailable to most members.

Maskrey thinks the Consortium should increase its exposure to what other Rebuild America Partnerships are doing across the country. "There are a lot of exciting projects going on that can stimulate our thinking about what we can do to expand our horizons over here," says Maskrey. He feels the Consortium should take advantage of the Internet as well as abundant Rebuild America publications to get a good idea of what is going on elsewhere. "With fresh ideas and a broader perspective, more opportunities in Hawaii will surface."

In the long term, Maskrey would like to see the Consortium professionally staffed with local expertise. The staff would assist in the administrative and logistical details associated with applying for grants, identifying technical resources, and sponsoring training events. In addition, the Consortium could become a local clearinghouse to consolidate energy efficient and sustainable resources for Hawaii partners.

Kaya-Four Years

Continued from page 2

resources and therefore multiplying our efforts considerably" says Kaya. He also emphasizes that SEP provides needed funding and is "critical to the deployment of energy efficient and renewable energy technologies."

So what is the success Maurice Kaya sees? Take a look

Estimated Benefits from State and County Rebuild America Projects

| | |
|-------------------|----------------|
| Energy Savings | 95.2 GWh |
| Annual Savings | \$12.1 million |
| Jobs Created | 935 |
| Income to Economy | \$60 million |
| CO2 Reduction | 90,000 tons |

These benefits are the result of a combination of performance contracts, energy efficiency programs, and utility DSM programs.

Major Consortium Projects

The following projects were implemented with performance contracts and qualify for utility rebates

University of Hawaii at Hilo

\$2.9 million investment
\$450,000 annual savings

Kauai County Buildings

\$525,000 investment
\$79,000 annual savings

County of Hawaii Buildings

\$2,216,000 investment
\$735,000 annual savings

City & County of Honolulu

Honolulu Hale project
performance contract negotiated
\$3,000,000 investment
\$110,000 annual savings

City & County of Honolulu

LED Traffic Lights project (see page 3)
\$1.7 million
\$312,000 estimated annual savings

Although Maurice Kaya is no longer President of our Consortium he will continue to work closely with DOE management, reinforcing the need for SEP funding and support for efforts by state energy offices to ensure energy and resource efficiency goals are met. The Consortium and all Rebuild Partnerships need to continue to do good work to show that continued funding is deserved. When you are able to show what these types of programs can accomplish it is much easier to obtain funding.

C & C LED Traffic Signals

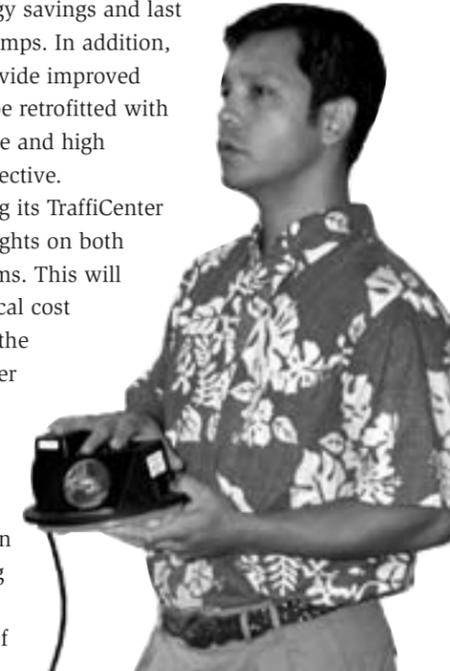
Green Light to Savings—Red Light to Waste

When it comes to how tax dollars are spent the news media loves to highlight where our dollars are wasted. This story proudly highlights how our tax dollars are being put to work saving over \$312,000 per year in electrical costs. This cost savings will result from lighting retrofits being performed on the City & County of Honolulu's Traffic Signal System.

Over 400 intersections on Oahu will receive the retrofits. New red and green LED modules will replace the existing incandescent lamps in the traffic signal heads. The LED modules provide up to 90% energy savings and last 7-10 times longer than incandescent lamps. In addition, the new LED lamps are bright and provide improved visibility. The yellow signals will not be retrofitted with LED modules due to very-short on-time and high equipment costs making it not cost effective.

The City & County is also retrofitting its TrafficCenter control building with high-efficiency lights on both the interior and exterior lighting systems. This will provide over \$1,800 per year in electrical cost savings. The TrafficCenter lighting and the Intersection LED project qualify for over \$177,000 in utility rebates. The City & County of Honolulu is implementing this project through a performance contract with Johnson Controls.

Check out the intersections at Queen and Punchbowl or University and King to see what these lamps look like. Admire the efficiency and brightness of the new LED lights from your car. Just don't sit and admire that green light for too long!



Michael Chang, Johnson Controls, pictured here with an LED module.

Upcoming Meetings and Workshops

Brownfields Hawaii 2001

October 18, 2001
Honolulu, Hawaii
For more information contact:
Nadia Al-Hadithi at 808-587-2778.

Partnership for the Environment Tour de Trash

November 15, 2001
Honolulu, Hawaii
For more information contact:
City and County of Honolulu Recycling Office at 808-527-5335.

Rebuild America Peer Forum

November 13-15, 2001
Seattle, Washington
For more information contact:
Deborah Lamm at dlamm@aspensys.com or call 252-459-6654.

Workshop on Interconnecting Distributed Energy

December 12-13, 2001
Honolulu, Hawaii
For more information contact:
Maria Tome at mtome@dbedt.hawaii.gov or call 808-587-3809.

Meetings

Next Meeting

November 8, 2001
8:30-noon
HEI Training Room #2
Pacific Tower

Previous Meetings

August 2001

Consortium elected Steve Holmes for President and Jim Maskrey for Vice President. Outgoing President, Maurice Kaya presented what the Consortium accomplished during its first four years. Marlyn Aguilar from Department of Health spoke about how to dispose of light bulbs and ballasts. Howard Wiig presented on HiLites software and the Model Energy Code.

June 2001

Larry Hill spoke on restructuring the electrical industry and what went wrong in California. Gail Suzuki-Jones presented case studies that comply with environmental and energy related Federal Executive Orders. Sam Nichols and Tom Van Liew reported on Maui Schools. Dean Masai presented on DBEDT residential programs.

For a copy of minutes

Telephone: (808) 587-3806
Facsimile: (808) 587-3820
Email: eraman@dbedt.hawaii.gov

Business Partner Bulletin

Find out what is happening with the Rebuild America Business Partners by signing up for a copy of the Business Partner Bulletin. The bimonthly bulletin features Business Partner profiles, calendar of events, and information on upcoming opportunities. To get your copy of the October/November issue contact Amy Tilton at atilton@aspensys.com.